BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Emergency Works in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.**

								Estimate Cost:	2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Desilting of Drains								
	Thindlu area		2	350.00	0.45	0.35	110.25		
			2	300.00	0.45	0.35	94.50		
			2	280.00	0.45	0.35	88.20		
	Virupakshapura area		2	280.00	0.45	0.35	88.20		
			2	250.00	0.45	0.35	78.75		
			2	300.00	0.45	0.35	94.50		
	HMT Layout area		2	280.00	0.45	0.35	88.20		
			2	310.00	0.45	0.35	97.65		
			2	295.00	0.45	0.35	92.93		
	BEL Layout area		2	225.00	0.45	0.35	70.88		
			2	350.00	0.45	0.35	110.25		
			2	180.00	0.45	0.35	56.70		
			2	300.00	0.45	0.35	94.50		
			2	350.00	0.45	0.35	110.25		
			2	280.00	0.45	0.35	88.20		
			2	350.00	0.45	0.35	110.25		
	Berm Cutting								
	Thindlu area		2	350.00	0.90	0.20	126.00		
			2	300.00	0.90	0.20	108.00		
			2	280.00	0.90	0.20	100.80		
	Virupakshapura area		2	280.00	0.90	0.20	100.80		
			2	250.00	0.90	0.20	90.00		
			2	300.00	0.90	0.20	108.00		
	HMT Layout area		2	280.00	0.90	0.20	100.80		
			2	310.00	0.90	0.20	111.60		
			2	295.00	0.90	0.20	106.20		
	BEL Layout area		2	225.00	0.90	0.20	81.00		
			2	350.00	0.90	0.20	126.00		
			2	180.00	0.90	0.20	64.80		
			2	300.00	0.90	0.20	108.00		
			2	350.00	0.90	0.20	126.00		
			2	280.00	0.90	0.20	100.80		
			2	350.00	0.90	0.20	126.00		
	Infront of Library Building		1	25.00	5.50	0.15	20.63		
	For Fixing of Poles		10	0.60	0.60	0.60	2.16		
	Basic Rate	82.00					**3181.79**	199.36	**634336.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	Infront of Library Building		1	25.00	5.50	0.15	20.63		
	For Fixing of Poles		10	0.60	0.60	0.15	0.54		
	Basic Rate	4867.00					**21.17**	5159.02	**109191.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
2	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12 / Item No. 4.6 / PWD SR 2016-17**	Cum							
	Infront of Library Building		1	25.00	5.50	0.15	20.63		
	For Fixing of Poles		10	0.60	0.60	0.45	1.62		
	Basic Rate	5441.00					**22.25**	5767.46	**128297.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
3	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) **Page No. 262 / Item No. 37.2, PWD SR 2016-17**	m							
	Vertical Pole		10	5.00			50.00		
	Basic Rate	819.00					**50.00**	868.14	**43407.00**
	Area Weightage @ 6%	49.14							
	Total	**868.14**							
4	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. **Page No. 262 / Item No. 37.4, PWD SR 2016-17**	m							
	Horizontal		4	25.00			100.00		
	Horizontal		10	6.00			60.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	324.00					**160.00**	343.44	**54950.00**
	Area Weightage @ 6%	19.44							
	Total	**343.44**							
5	PROVIDING **TRAPEZOIDAL PROFILED SHEET** Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. **Page No. 300 / Item No. 38.3, PWD SR 2016-17**	Sqm							
	Drain Covering Slab		1	25.00		6.00	150.00		
	Basic Rate	770.00					**150.00**	816.20	**122430.00**
	Area Weightage @ 6%	46.20							
	Total	**816.20**							
6	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	For Covering Slab		250	0.90	0.60		135.00		
							135.00	1760.00	**237600.00**
6	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **Page No. 158 / Item No. 20.18, PWD SR 2016-17**	Cum							
			5	3.50	2.60	0.15	6.83		
			10	2.50	2.80	0.15	10.50		
			3	5.00	2.50	0.15	5.63		
			5	4.20	3.50	0.15	11.03		
			3	2.50	1.80	0.15	2.03		
			4	2.40	2.50	0.15	3.60		
			5	2.80	2.00	0.15	4.20		
			2	3.00	1.80	0.15	1.62		
			5	3.50	2.00	0.15	5.25		
			6	3.80	2.20	0.15	7.52		
			2	3.50	1.80	0.15	1.89		
			3	4.90	1.60	0.15	3.53		
			2	2.00	1.20	0.15	0.72		
			5	2.50	1.50	0.15	2.81		
			2	3.20	1.60	0.15	1.54		
			6	2.60	0.90	0.15	2.11		
			2	2.10	1.40	0.15	0.88		
			2	5.00	2.50	0.15	3.75		
			3	2.20	1.80	0.15	1.78		
			4	2.70	1.50	0.15	2.43		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			5	1.90	2.50	0.15	3.56		
			6	5.00	3.00	0.15	13.50		
			2	2.60	3.40	0.15	2.65		
			5	5.20	2.30	0.15	8.97		
			5	2.50	1.00	0.15	1.88		
			6	2.80	1.20	0.15	3.02		
			7	1.90	2.40	0.15	4.79		
			2	1.80	1.30	0.15	0.70		
			8	2.40	2.80	0.15	8.06		
			3	1.90	2.50	0.15	2.14		
			5	2.50	3.00	0.15	5.63		
			2	2.40	2.00	0.15	1.44		
			6	4.70	2.50	0.15	10.58		
			2	7.00	2.50	0.15	5.25		
			4	2.00	1.20	0.15	1.44		
			2	2.80	2.00	0.15	1.68		
			6	2.80	1.50	0.15	3.78		
			4	1.50	2.00	0.15	1.80		
			5	2.80	1.00	0.15	2.10		
			6	2.70	1.60	0.15	3.89		
			5	2.70	2.10	0.15	4.25		
			4	3.00	2.00	0.15	3.60		
			2	3.10	3.20	0.15	2.98		
	Basic Rate	1668.00					**177.31**	1768.08	**313502.00**
	Area Weightage @ 6%	100.08							
	Total	**1768.08**							
7	KSRRB 3000: **Filling Pot-holes and patch repairs with bituminous concrete, 40 mm,** KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3 back filling the pot hole with bituminous material as per clause 500.4 compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications, MORTH specification No. 3004.2, **No. 256 / Item No. 35.5 / PWD SR 2016-17**	Sqm							
			5	3.50	2.60		45.50		
			10	2.50	2.80		70.00		
			3	5.00	2.50		37.50		
			5	4.20	3.50		73.50		
			3	2.50	1.80		13.50		
			4	2.40	2.50		24.00		
			5	2.80	2.00		28.00		
			2	3.00	1.80		10.80		
			5	3.50	2.00		35.00		
			6	3.80	2.20		50.16		
			2	3.50	1.80		12.60		
			3	4.90	1.60		23.52		
			2	2.00	1.20		4.80		
			5	2.50	1.50		18.75		
			2	3.20	1.60		10.24		
			6	2.60	0.90		14.04		
			2	2.10	1.40		5.88		
			2	5.00	2.50		25.00		
			3	2.20	1.80		11.88		
			4	2.70	1.50		16.20		
			5	1.90	2.50		23.75		
			6	5.00	3.00		90.00		
			2	2.60	3.40		17.68		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			5	5.20	2.30		59.80		
			5	2.50	1.00		12.50		
			6	2.80	1.20		20.16		
			7	1.90	2.40		31.92		
			2	1.80	1.30		4.68		
			8	2.40	2.80		53.76		
			3	1.90	2.50		14.25		
			5	2.50	3.00		37.50		
			2	2.40	2.00		9.60		
			6	4.70	2.50		70.50		
			2	7.00	2.50		35.00		
			4	2.00	1.20		9.60		
			2	2.80	2.00		11.20		
			5	2.90	1.80		26.10		
			4	1.80	2.20		15.84		
	Basic Rate	277.00					**1074.71**	293.62	**315556.00**
	Area Weightage @ 6%	16.62							
	Total	**293.62**							
	Sub Total								**1959269.00**
	For Third Part QC inspection Charges @ 1%								**19593.00**
	Labour Cess @ 1 %								**19593.00**
	Miscellaneous and other Charges	L/S							**1545.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 This work included under 2016-17 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

6/10
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

6/10

Administrative Approval
Accorded For 20.00 lakh Rs.
Head of A/C P1771
CER NO : 100 Dt:: 06/10/17

TA CE (YNK)

TECHNICAL SANCTION
Twenty lakhs only
P-1771
30/17-18
6/10/2017
6/10
CE (BTP)